18317490

8. Appl 8. Appl 12. Appl 11. Appl 12. Appl 12. Appl 14. Appl 14. Appl 16. Appl 6. Appl 6. Appl 6. Appl 7. Appl 6. Appl 7. Appl

386 4 US-09-370-838-81 37 1 US-08-682-4858-8 37 2 US-08-933-314-8 119 2 US-08-774-215A-12 119 2 US-08-76-66-12	49 27.7 119 3 49 27.7 119 5 49 27.7 350 2 49 27.7 350 6	48.5 27.4 32 3 US-08-632-511A-6 48.5 27.4 32 3 US-09-09-50A-12 48.5 27.4 32 4 US-09-488-200-6 48.5 27.4 36 1 US-08-111-080-2	48.5 27.4 36 1 US-08-117-080-4 48.5 27.4 36 1 US-08-117-32-2 48.5 27.4 36 1 US-08-471-329-4	48.5 27.4 36 2 US-08-915-142-2	ALIGNMENTS	RESULT 1	US-08-682-4867-4864 ; Sequence 4, Application US/08682485A ; Patent No 5783588 ; GDNEAL INFORMATION:	APPLICANT: ATKINGN, ROWALD K APPLICANT: HONDER, MERLIN E.H. APPLICANT: TYLER, MERGARET I APPLICANT: VONRK, EDWARD J ITTLE OF INVERTION: Insecticidal Toxins Derived From ITTLE OF INVERTION: Funnel Web (Atrax or Hadronyche Spiders) CUMPRESPONDENCE 2.26 CONDENCE ADDRESS: 26	ADDRESSE: Zemeca, Inc.) STREET: 1200 South 47th Street CITY: Atchmond:) STATE: California	; COUNTRY: USA ; ZIP: 94804	COMPUTER READABLE FORM: WEDIUM TYPE: Rloppy disk COMPUTER: TBM PC compatible	OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 CHERRY ADDITIONATION NAME.	APPLICATION NUMBER: US/08/682,485A	CLASSIFICATION: 424 PRIOR APPLICATION DATA:	; APPLICATION NUMBER: US/08/682,485 ; FILING DATE: 17-JULY-1996	; APPLICATION NUMBER: US/08/256,933 ; FILING DATE: 27-JULY-1994	; APPLICATION NUMBER: WO 93/15108 ; FILING DATE: 29-JAN-1993	APPLICATION NUMBER: AU PL0722 FILING DATE: 31-JAN-1992	ATTORNEY/AGENT INFORMATION: NAME: Shaw, Melissa A.	REFERENCE DOCKET NUMBER: 28,301	TELECOMOUNICATION INFORMATION: TELEPROPORT = \$10-21-1542 TELEPRAY: \$10-21-1112	; INFORMATION FOR EBQ ID NO: 4: SEQUENCE CHARACTERISTICS:	JENGTH: 37 amino acids	7 TOPOLOSY: linear ; MOLECULE TYPE: protein
GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd. OM procein - procein search, using sw mode)	Run on: November 17, 2003, 17:11:13; Search time 15.0179 Seconds (without alignment) (Without alignment)	Title: US-09-749-6317A-270 Septents core: 177 EMPTER SOURCES SEPTENCE: 1 LAWCIDSCOLCFRSOHIGGCSGRCAFVCL 29	Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5	Searched: 328717 seqs, 42310858 residues	Total number of hits satisfying chosen parameters: 328717	Minimum DB seq length: 0 Maximum DB seq length: 2000000000	Post-processing: Winimum Match Ot Maximum Macch 100 Listing first 4s summaries	Database: Issued_patente_AA://iaa/SA_COMB.pop:* 2: /G912_G/prodate_A1/AiaA/SB_COMB.pop:* 3: /G912_G/prodate_A1/AiaA/SB_COMB.pop:* 4: /G912_G/prodate_A1/AiaA/A_COMB.pop:* 6: /G912_G/prodate_A1/AiaA_COMB.pop:* 6: /G912_G/prodate_A1/AiaA_COMB.pop:*	Peel, No. is the number of results predicted by chance to have a some greater than or equal to the score of the result being printed, and is derived by analysis of the cotal score distribution.	SURMARIES	Result the Chery No. Score Match Length DB ID Description	39.5 37 1 39.5 37 2	66 37.3 78 1 US-07-689-6938-5 Sequence 5, 6 37.3 78 1 US-08-624-123-13 Sequence 13,	Sequence 2, A Sequence 16,	61 34.5 27 1 US-07-689-693B-6 Seguence 14,	59 37.9 37 1 US-08-682-1854-5 Sequence 5, 28 32.8 37 2 US-08-933-314-5 Sequence 5, 55 5 31 30 4 110 A0-135-2566 5	31.4 29 4 US-02-128-769A-16 Sequence 15,	29.4 37 2 US-08-928-18-28-28 Sequence 2, 29.1 111 11S-08-543-238-8	29.1 111 1 US-05-25-6 Sequence 8, 28.8 36 115-08-692-4858-1 Sequence 8, 28.8	51 28.8 36 2 US-08-933-314-1 51 28.8 489 4 US-09-252-991A-22896	49.5 28.0 36 2 US-08-505-486-86 Sequence 49.5 28.0 36 3 US-08-801-028-86 Sequence	49.5 28.0 36 3 US-09-340-154-86 Sequence 86, 49.5 28.0 36 4 US-09-482-6118-86 Sequence 86,	28.0 36 S PCT-10595-09338-86 Sequence 86, 28.0 36 S PCT-10595-09339-86 Sequence 86, 28.0 16.4 11C-106-370-838-57	49.5 28.0 374 4 1

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Library was constructed using polyA selected mRNA transcripts purified teom conus textle venom duct tissue and cloned linc the Oxyama-Berg oilgo-dT primed plasmid psyNy86.
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                                                                                                                                                                                                                            /label= a
/note= "this site may be amidated without loss
of biological activity"
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 66; DB 1; Length 78;
Pred. No. 0.43;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CENERAL INFORMATION
CENERAL INFORMATION
DAVID HILlyard
APPLICANT Baldomero M. Olivera
TITLE OF INVESTION: Segregated Folding Determinants
TITLE OF INVESTION: Segregated Folding Determinants
TITLE OF INVESTION: Segregated Folding Determinants
COMMESSION FORCES: 25
COMMESSION TOPPED NO. 5231011th & Western
STREET: 903 South 700 Base, Suite 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Disketee, 3.5 inch, 720 Kb storage
COMPUTES: Compaq LIE/286
OPERATING SYSTEM: DOS 4.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: Prepropeptide sequence for four loop
                                                                                                                                                                                                                                                                                                                                                                                                                                Score 70; DB 2;
Pred. No. 0.079;
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 39.5%; Score 70; DB Best Local Similarity 52.2%; Pred. No. 0.07 Matches 12; Conservative 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/689,693B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4 CIPSGQPCPYNEH--CCSGSCTY 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 CIPSGDLCFRSDHIGCCSGKCAF 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 5, Application US/07689693B
; Patent No. 5231011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (801) 566-6633
TELEPAY: (801) 566-0750
INFORMATION FOR SEG ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22,788
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                                                               ORGANISM: Atrax robustus
FEATURE:
NAME/KEY: Modified-site
LOCATION: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER: none
FILING DATE: na
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Western, M. Wayne
REGISTRATION NUMBER: 22,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19910418
N: 530
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IDENTIFICATION METHOD:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IDENTIFICATION METHOD:
IDENTIFICATION METHOD:
IDENTIFICATION METHOD:
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                                                                                                                                                                                                                            OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
US-08-933-314-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 19
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Utah
: USA
                         ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sandy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 84070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 3
US-07-689-693B-5
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                                                                                                                                                                                                                                         icorinos: 37
OTHE INFORMATION: Anotes "this site may be amidated without loss OTHER INFORMATION: Anotes "this site may be amidated without loss OTHER INFORMATION: of biological activity"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATE: ATTRIBOON, BROWLD K
APPLICANT: HOWDEN, MERLIN E H.
APPLICANT: TYLER, VARGARET I
APPLICANT: VANNEX, EDMARD AT
APPLICANT: VANNEX, EDMARD AT
APPLICANT: WANNEX, EDMARD AT
TITLE OF INVERTION: THE APPLICANT ATTRIBUTION TO A PROFIT ATTRIBUTIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        39.5%; Score 70; DB 1; Length 37; 52.2%; Pred. No. 0.079; ative 3; Mismatches 6; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSFFCORION 424
PLOSS PROGRAM ATA:
APPLICATION NURBER: US/08/662,465
FILIND DATE: 17-7ULY-1996
APPLICATION NURBER: US/08/6126,933
FILING DATE: 17-7ULY-1994
APPLICATION NURBER: US 03/15.08
APPLICATION NURBER: US 03/15.08
ALING DATE: US 03/15.08
ALING DATE: US 03/15.08
ALING DATE: US 03/15.08
NAME: Shaw, Wallissa A.
REGISTRATION NUMBER: 38,301
RESERRANCE/DOCKET NUMBER: PED 5099/D1
RESERRANCE/DOCKET NUMBER: PED 5099/D1
RESERRANCE/DOCKET NUMBER: PED 5099/D1
RESERRANCE/DOCKET NUMBER: PED 5099/D1
RESERRANCE/DOCKET NUMBER: 18,301
RESERVANCE/DOCKET NUMBER: 18,301
REGISTRATION NUM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 CIPSGOPCPYNEH -- CCSGSCTY 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3: Zeneca, Inc.
1200 South 47th Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4, Application US/08933314
Patent No. 5959182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                              ORGANISM: Atrax robustus
                                                                                                                                                                                                         NAME/KEY: Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 52.2
Matches 12, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 26
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MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Zeneca, I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94804
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                California
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                                                  ANTI-SENSE: NO
ORIGINAL SOURCE:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-933-314-4
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Gaps
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             3
             Indels
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46.4%; Pred. No. 0.43;
tive 2; Mismatches 11; Indels
             11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Venable, Baetjer, Howard & Civiletti
STREET: 1201 New York Avenue N.W.
TIT: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
2, Mismatches
                                                                                                                                                                                                                                                                                                                              19:06-66-40-133-13
PREENT NO. 5732276
REMERAL NEVERWATON:
REPLICANT: Short Ki-Joon
APPLICANT: Short Ki-Joon
APPLICANT: Short Ki-Joon
APPLICANT: Gilley, Michelle M.
CORRESONED MICHELSONE GILLEY MICHELSONE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: INDER, Jeffrey L. REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24260-107674-5
                                                                                 2 RWCIPSGDLCFRSDHIGCCSGKC-AFVC 28
                                                                                                                                                                         51 RWCKQSGEMCNLLDQ-NCCDGYCIVLVC 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 RWCIPSGDLCFRSDHIGCCSGKC-AFVC 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         51 RWCKQSGEMCNLLDQ-NCCDGYCIVLVC 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION WAMBER: US/08/624,123
FILIND DATE: US/08/624,123
CLASSFIPCATION: 530
PRIOR APPLICATION DATA:
APPLICATION DATE: 07.0CT-1994
RRIOR APPLICATION DATE: US 08/1319,554
RRIOR APPLICATION DATE: US 08/423,561
APPLICATION WABRE: US 08/423,561
APPLICATION WABRE: US 08/423,561
APPLICATION WABRE: US 08/423,561
ATTORNET/APPLICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 13:
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Best Local Similarity 46.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ploppy disk
13; Conservative
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LENGTH: 78 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS: single
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HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC
OPERATING SYSTEM:
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20005
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Matches
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Sequence 2, Application US/08715308
Parent No. 588559
GENERAL INFORMATION
FOR MINDARS, John D.
ITIME OF INVENTION: Biological Insect Control Agent
NUMBER OF SEQUENCES: 18

US-08-716-308-2

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37.3%; Score 66; DB 2; Length 78; 46.4%; Pred. No. 0.43;
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                                                                                                                                                                         Weinering Application US/08716308

Weinering No. 2885569

Restrant INFORMATION:

CAPILLARIN INFORMATION:

TITLE OF INVENTION:

NUMBER OF SEQUENCES, 18
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MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARS: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/716,308
FLING DATE: 48-48P-1996
CLASSIFICATION: 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Mismatches
                                                                                                                                                                                                                                                                                                                                      FLIAND DATE: 52-4MR-1944
ATTORNEY/AGBNT INFORMATION DATE
NAME: HOHENSCHUTZ, LIZA D.
REGISTRATION NUBBER: 32,1405
REPRENCE/DOCKET NUBBER: PD040027X/UST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 RWCIPSGDLCFRSDHIGCCSGKC-AFVC 28
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PRIOR APPLICATION DATA;
APPLICATION NUMBER: PCT/GB95/00677
                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (302) 886-1699
               ADDRESSEE: ZENECA Inc.
STREET: 1800 Concord Pike
CITY: Wilmington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 1800 Concord Pike
CITY: Wilmington
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid TOPOLOGY: line
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 27-MAR-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEC ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 46.4
ses 13; Conservative
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                                                                                             ZIP: 19850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: ZENECA IN
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                                                                                 COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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Gaps

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                                                    37.3%; Score 66; DB 5; Length 78;
46.4%; Pred. No. 0.43;
tive 2; Mismatches 11; Indels
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IDEMITICATION WETHOD: Direct peptide sequencing
ENWITICATION METHOD: OF DURIFIED COME FEXILE VENOM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       weery Match 34.5%; Score 61; DB 1; Length 27; Best Local Similarity 44.4%; Pred. No. 0.66; Matches 12; Conservative 2; Mismatches 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: David Hillyard
APPLICANT: David Hillyard
APPLICANT: Baldomerro M. Olivera
APPLICANT: Baldomerro M. Olivera
TITLE OF INVENTION: for Small Disulfide-Rich Peptides
NUMBER OF SOURBESS: 25 CORRESOURES: Thorpe No. 5211011th & Western
STREET: 9035 South 700 East, Suite 200
CLTY: Snay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskaete, 3.5 inch, 720 Kb storage
COMPUTER: Compaq LIE/286
OPERATING SYSTEM: DOS 4.01
                                                                                                                                                                                       2 RWCIPSGDLCFRSDHIGCCSGKC-AFVC 28
                                                                                                                                                                                                                                                           51 RWCKQSGEMCNLLDQ-NCCDGYCIVLVC 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SUPPRAREN DOS 4.01
SUPPRAREN DOMAG PERFECT 5.1
APPLICATION NUMBER: US/07/689,693B
FILING DATE: 1.991018
GLASSIFICATION: 530
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; Sequence 6, Application US/07689693B
; Patent No. S231011
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; Patent No. 5763568
BREAL INFORMATION:
; APPLICANT: ATKINSON, RONALD K
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REPERENCE/CONCERT WINDERS. 20.708
TELECOMMUNICATION INFORMATION:
TELEBRANE (601) 566-623
INFORMATION FOR 80.01 566-0750
SEQUENCE CHARACTERISTICS 6.
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APPLICATION NUMBER: none
FILING DATE: na
                                               Query Match
Best Local Similarity 46.44
Matches 13; Conservative
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US-08-682-485A-5
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                                                                                                                                                                                                                                                                                                                                                          RESULT 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match 37.3%; Score 66; DB 2; Length 78; Best Local Similarity 46.4%; Pred. NO: 0.43. Merches 11; Indels Matches 13; Conservative 2; Mismatches 11; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
WHOLING TYPE, PORPY (AK
HENDLING TYPE, PORPY (AK
HENDLING TYPE, PORPY (AK
HENDLING TYPE, PORPY (AK
COMPUTER, IEW PC COMPATIBLE
COMPUTER, IEW PC COMPATIBLE
COMPUTER, PRECOMPATION
COMPATING SYSTEM
CONTRACT APPLICATION DATA.
FULLORICON BATA.
REGISTROATION:
RAPELCATION NORMER: NO 004423,561
ATTOMATICATION TO ATTOMATICATION
NAMELY (ARCHITICATION
NAMELY 
                          FILTRO DATE: Z-S-Res. 1994
ATTORNEY AGENT INFORMATION:
NAME: Nöbenschutz. Jisa D.
RETERRATION NUMBER: 33.712
RETERRATION NUMBER: 33.712
TREEDOMWRICATION INFORMATION:
TREEDOMWRICATION INFORMATION:
TREEDOM SEQ. 10. NO. 16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: STORM RA-JOON APPLICANT: Grilley, Michelle M. APPLICANT: Olivera, Baldomero M. APPLICANT: News Baldomero M. APPLICANT: News. Macen APPLICANT: Marsh Macen APPLICANT: MILITANT GAUS, LOUGHES J. APPLICANT: MILITANT GAUS, COUNTY, LOUGHES J. APPLICANT: MILITANT GAUS, CONDECOATH PREPAIRES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 RWCIPSGDLCFRSDHIGCCSGKC-AFVC 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               51 RWCKQSGEMCNLLDQ-NCCDGYCIVLVC 77
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4848
     GB 9405951.6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 14, Application PC/TUS9605262
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 14:
                                                                                                                                                                                                                                                                 INCOMPATION FOR SECURIOR NO. 1 SECURACE CHRANCERSITICS: LENGTH: 78 anino ecida TERE: amino ecida TOPOLOGI: linear NOPOLOGI: linear NOPOLOGI: linear NOPOLOGI: pepcide NO-6308-716-308-16
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LENGTH: 78 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 202-962-8300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: CONTINUES OF SEQUENCES: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 single
APPLICATION NUMBER:
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STATE:
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Gaps

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OTHER INFORMATION: /labels a OTHER INFORMATION: /hotes "this site may be amidated without loss OTHER INFORMATION: of biological activity"
                                                                                                                                                                                            Insecticidal Toxins Derived From Funnel Web (Atrax or Hadronyche Spiders)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    32.8%; Score 58; DB 2; Length 37, 47.8%; Pred. No. 1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,314
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FR: PPD 5099/D1
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CLASS FPCCATION: 42

CLASS FPCCATION: 42

PRICA PREJICATION NOTHER: US/08/682,485

PLILOS DATE: 17-JULY-1996

PLILOS DATE: 27-JULY-1995

PLILOS DATE: 27-JULY-1995

PLILOS DATE: 27-JULY-1995

PLILOS DATE: 37-JULY-1995

PREJICATION NUMBER: NO 93/15/16

PREJICATION NUMBER: NO 93/15/16

APPLICATION NUMBER: NO PS-10-193

APPLICATION NUMBER: 31-JULY-193

ATTORNEY/ARRIT INPORMITION: NAMISES AT NUMBER: 31-JULY-193

NUMBER: STATE NUMBER: 31-JULY-193

ATTORNEY/ARRIT INPORMITION: NAMISES AT NUMBER: 31-JULY-193

NUMBER: STATE NUMBER: 31-JULY-193

NUMBER: 31-JULY-193

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NUMBER: STATE NUMBER: 31-JULY-193

NUMBER: STATE NUMBER: 31-JULY-193

NUMBER: 31-JULY-193

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NUMBER: 31-JULY-193

NUMBER: STATE NUMBER: 31-JUL
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MEDIUM TYRE: Floppy disk
COMPUTER: IBM FC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSES:
STREET: 1200 South 47th Street
CITY: Richmond
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Hadronyche versutus
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TELEPAX: 510-231-1112
INPORMATION FOR SEQ ID NO: 58EQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: Modified-site
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TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                   TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
Matches 11; Conserva
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OTHER INFORMATION: /noce. "this site may be amidated without loss OTHER INFORMATION: of biological activity"
US-08-62-4654-5
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APPLICANT: TYLES, MARGARET I.
APPLICANT TYLES, MARGARET I.
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COMPRUER: IMP PC Compatible 09
PERAITING SETEM: PC-2004/MS-LOG
SOFTWARE: Patentin Release #1.0, Version #1.25
APPLICATION NOMBER: US/00/603.485A
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CLASSIF CORTON: 43

REGENERATION: 43

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Zeneca, Inc.
STREET: 1200 South 47th Street
CITY: Richmond
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ORGANISM: Hadronyche versutus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-231-1542
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LOCATION: 37
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MEDIUM TYPE: Floppy
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3Y: linear
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Gaps

7; Indels

Sequence 5, Application US/09136769A Patent No. 6307014 GENERAL INFORMATION:

Sequence 5, Application US/08933314 Patent No. 5959182 GENERAL INFORMATION:
APPLICANT: ATKINSON, RONALD K
APPLICANT: HOWDEN, MERLIN E.H.
APPLICANT: TYLER, WARGARET I

US-08-933-314-5

Furie, Bruce Furie, Barbara

Stenflo,

Roepstoff,

APPLICANT: APPLICANT: APPLICANT:

CONOPEPTIDES

TITLE OF INVENTION:

SEQ ID NO 5 LENGTH: 29 TYPE: PRT

FEATURE:

Query Match

Matches

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OTHER INFORMATION: //label= a
OTHER INFORMATION: //noce="this amino acid may be amidated without
OTHER INFORMATION: loss of bloiogical activity"
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APPLICANT: MACKINGON ECHALD K
APPLICANT: MACKINGON ECHALD K
APPLICANT: MACKINGON ECHALD E.H.
APPLICANT: MACKINGON ECHALD E.H.
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APPLICANT: WORNER, MACKINGON ECHALD ECHALD ECHALD ECHALD E.H.
TITLE OF INVESTION: ELMOSTEE: ADDRESSE: A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/682,485A
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                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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APPLICATION NUBBER: US/08/256, 39
FILING DATE: 27-10/11/21/20/
APPLICATION NUBBER: W0 9/15.108
FILING DATE: 29-1/AN-1993
APPLICATION NUBBER: W0 PLO72
ATUREEY AGENT TRPORMATION:
NUBBER: SE STAN, W0 18:38 A.
REGISTRATION NUMBER: 38, 301
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       SSEB: Zeneca, Inc.
F: 1200 South 47th Street
Richmond
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Patent No. 5959182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-231-1542
TELEFAX: 510-231-1112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Atrax infensus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                                        California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
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ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-933-314-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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US 08-862-185A-2
S 69-URCE 2. Application US/08682485A
S 85-URCE 2. Application US/08682485A
S 85-URCE 2. Application S 85-S6
S 85-URCE 2. Application S 85-S6
S 85-URCE 2. APPLICATION S 10-S6
S 85-URCE 2. S 10-S6
S 11-S 10-S6
S 11-S 10-S6
S 11-S 11-S 0F INVENTION: Insecticidal Toxins Derived From ITTLE OF INVENTION: Insecticidal Toxins Derived Spiders)
S 11-S6
S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 314%; Score 55.5; DB 4; Length 29; Best Local Similarity 41.4%; Pred. MO. 3; Matches 12; Conservative 0; Mismatches 14; Indels Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: VARIANT
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa is gamma-carboxyglutamic acid
US-09-136-769A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          j. LOCATION: (4)...(4)
... OTHER INFORMATION: Xaa is gamma-carboxyglutamic acid.
US-09-186-769A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.4%; Score 55.5; DB 4;
41.4%; Pred. No. 3;
tive 0; Mismatches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT SPACE BROCK APPLICANT SPACE APPLICANT SPACE APPLICANT SPACE APPLICANT SPACE APPLICANT SPACE APPLICANT RESPECTE FREE TITLE OF INVENTION: CONDERTINES FILE SPERRATION: CONDESTINES APPLICANTON HOWERS: US/09/136,769A WOMERS TELLAND APPLICANTON HOWERS: US/09/136,769A WOMERS OF SEC 1D NOS: 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 CIPSGDLCFRSD---HIGCCSGKCAFVCL 29
       FILE REPRESENCE: 5:006%/002001
CHREATH APPLICATION NUMBER: 00/99/136,769A
CHREATH FILING DATE: 1998-08-19
NUMERS OF SEQ 11 NOS: 26
OFTWARE: FRRESEQ FOR WINDOWS VERSION 4:0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CIPXGSSCSSGSCCHKSCCRWTCNQPCL 29
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FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , Sequence 16, Application US/09136769A
; Patent No. 6307014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12; Conservative
                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Conus textile
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Furie, E
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US-09-136-769A-16
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SOFTWARE: Face SEQ ID NO 16 LENGTH: 29

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us-09-749-637a-270.rai

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OTHER INFORMATION: /label= a OTHER INFORMATION: /label= without OTHER INFORMATION: /note= "this amino acid may be amidated without OTHER INFORMATION: loss of biological activity"
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                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence g, Application US/08542138
Patent Co. School of Co. School of Casteria Cast
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CGASSTRICATION ACTA

APPLICATION MUNESE: US/09/62,445

FILING DATE: 17-3U-1996

APPLICATION MUNESE: US/08/556,333

FILING DATE: 27-3U-1994

APPLICATION MUNESE: US/08/556,333

APPLICATION MUNESE: US/09/15108

FILING DATE: 25-3U-193

APPLICATION MUNESE: US/09/193

APPLICATION MUNESE: US/09/193

ATGASTATION WORRER: 38,301

RESTRACTOR MUNESE: 38,301

RESTRACTOR MUNESE: 38,301

FELDROWNICATION HOUGHSR: 98,901

FELDROWNICATION HOUGHSR: 19,301

FELDROWNICATION HOUGHSR: 19,301
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                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPAX: $10-231-1112
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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ORGANISM: Atrax infensus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 37 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Modified-site
                                                                                                                                      ZIF: 94804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy <
                                       California
: USA
Richmond
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COUNTRY:
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                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-543-238-8
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CONVERTE REALABLE PORM:

MEDUN TYPE: 10 POR COMPARIAN

CONVENTER: 120 PC COMPARIAN

CONVENTER: 120 PC COMPARIAN

CONVENTER: 120 PC COMPARIAN

CONVENTER: 120 PC COMPARIAN

MARCHAR APPLICATION NUMBER: US/08/543.238

FFLIANG DATE:

ANTORNAY APPLICATION NUMBER: US/08/543.238

FRIEDRY APPLICATION NUMBER: US/08/543.238

FRIEDRY APPLICATION NUMBER: US/08/543.238

MARCHAR PARAMETRISTICS:

MARCHAR PARAMETRISTICS:

MARCHAR PARAMETRISTICS:

LEMPONAY ANACT ANTOR MARCHAR SEQ 10 NO. 25.

MARCHAR SEQ 11 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

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ONE MARCHAR PROGRAMMEN 29. 18; SCORE 51.5; DB 1; Length 111.

Duerr March

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.

ONE MARCHAR SEQ 10 NO. 20. 18; SCORE 51.5; DB 1; Length 111.
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November 17, 2003, 17:11:18; Search time 24.8571 Seconds (Whithout alignments) 212.968 Million cell updates/sec
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| Cgn2 & Cpc codata A | Dibbaa (100) | Taylocokia pep; |
| Cgn2 & Cpc codata A | Dibbaa (100) | Taylocokia |
| Cgn2 & Cpc codata A | Dibbaa (100) | Taylocokia |
| Cgn2 & Cpc codata A | Dibbaa (100) | Taylocokia |
| Cgn2 & Cpc codata A | Dibbaa (100) | Taylocokia |
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| Cgn2 & Cpc codata A | Dibbaa (100) | Taylocokia |
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 LRWCIPSGDLCFRSDHIGCCSGKCAFVCL 29
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                    OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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177
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Maximum DB seq length: 200000000
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the rotal score of distribution.

					SUMMARIES		
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Result No.	Score	Query	Query Match Length	DB	ΩĪ	Description	_
-	177	0001	96	100	TIS-09-749-6378-270	Sections	270
			::		100 1100 011 00 011	2011	
~	173	97.7	53	20	US-09-749-637A-267	Seguence	267,
m	169	95.5	29	10	US-09-749-637A-273	Sequence	273,
4	159	89.8	82	9	US-09-749-637A-393	Seguence	393,
<u>ن</u>	150	84.7	31	20	US-09-749-637A-369	Sequence	369,
φ	150	84.7	31	10	US-09-749-637A-378	Sequence	378,
7	148	83.6	27	10	US-09-749-637A-271	Sequence	271,
œ	148	83.6	29	S	US-09-749-637A-268	Seguence	268,
6	147	83.1	31	10	US-09-749-637A-384	Sequence	384,
10	147	83.1	31	10	US-09-749-637A-387	Seguence	387,
ננ	143	80.8	29	c	US-09-749-637A-345	Sequence	345,
12	140	79.1	27	10	US-09-749-637A-274	Sequence	274,
13	136	76.8	31	10	US-09-749-637A-372	Seguence	372,
14	135	76.3	59	10	US-09-749-637A-348	Sequence	348,
15	133	75.1	31	10	US-09-749-637A-366	Semionce	366

ADD ADD ADD ADD ADD ADD ADD ADD

0; Gaps 0;

Query Match 100.0%; Score 177, DB 10; Length 2º0; Deet Local Similarity 100.0%; Pred. No. 5.44-15. Matches 29; Conservative 0; Mismatches 0; Indels (

App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	Appl	Appl	Appl	Appl	App	App	App	App	App	App	App	App	App	
							385,	388,	382,	376,	394,	346,			286,	298,	22,	26,				301,	306,	333,	297,					
Seguence	Sequence	Seguence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Seguence	Sequence	
9-749-637A-2	9-749-	3-749-637A-3	- 249-	3-749-637A-3	9-749-637A-	9-749-637A-	9-749-637A-	9-749-637A-	-745	3-749-637A-	749	749	745	749	749-	749-637A-2	749	749-637A-	749-637A-	749-637A-	749-637A-	9-637A-3	749-637A-3	749-637A-	749-637A-	749-	749-637A-2	-09-749-637A-3	US-09-749-637A-307	
10	10	10	10	50	10	10	10	20	10	10	10	30	10	10	10	10	10	10	10	10	10	10	10	10	10	2	10	10	10	
33	31	31	56	23	27	56	27	23	56	56	27	27	27	59	24	30	78	78	78	78	82	5B	9/	16	78	33	24	78	52	
73.4	72.9	72.9	72.3	72.3	72.3	70.6	9.02	9.06	68.4	67.2	66.1	65.0	63.3	58.8	37.9	37.6	37.3	37.3	37.3	37.3	37.3	37.0	37.0	37.0	37.0	36.7	36.7	36.4	35.9	
130	129	129	128	128	128	125	125	125	121	119	117	115	112	104	67	99	99	99	99	99	99	65.5	65.5			9	9	64.5		
16	17	18	19	20	21	22	23	24	25	56	27	28	53	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	

ALIGNMENTS

RESEULT. 1 Sequence 200, Application of Seque	SULT 1 -09-749-637A-270	Sequence 270, Application US/09749637A Patent No. US20020173449A1	7	Cognetix,	Cartier,		McIntosh,	Layer, Ric	APPLICANT: Jones, Robert M.	FILE REFERENCE: 2314-227	CURRENT APPLICATION NUMBER: US/09/749, 637A	CURRENT FILING DATE: 2000-12-28		FILING DATE		FILING DATE:	APPLICATION	FILING DATE		144	NUMBER OF SEQ ID NOS: 409	SOFTWARE: PatentIn version 3.0		LENGTH: 29		ORGANISM: Conus striatus	0.4-148-631A-210
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PRIOR FILING DATE: 1999-12-30
NUMBER OF SEQ ID NOS: 409
SOFTWARE: Patentin version 3.0
SEQ ID NO 273
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US-09-749-637A-369
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APPLICANT:
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CURRENT PRELICATION NUMBER: US/0/149, 637A
CURRENT PRELICATION NUMBER: US 60/243, 412
RECOR FILING DATE: 2000-10-29
RECOR FILING DATE: 2000-10-27
RECOR FILING DATE: 2000-10-27
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CURRENT FILLING DATE: 2000-12-27
REALICATION NOMBER: UB/09/749, 637A
REALICATION NOMBER: UB 60/243, 412
REALICATION NOMBER: UB/09/219, 440
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1 LRWCIPSGDLCFRSDHIGCCSGKCAFVCL 29
                                                         1 LRWCIPSGDLCFRSDHIGCCSGKCAFVCL 29
                                                                                                                                                                                                                                                                           Sequence 267, Application US/09749637A Patent No. US20020173449A1 GENERAL INFORMATION:
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Patent No. US20020173449Al
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SEQ ID NO 267
LENGTH: 29
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US-09-749-637A-267
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                                                                                                                                                                          Query Match

Secre 169, DB 10, Length 29; Best Local Similarity 96.8, Pred No. S.Ie-11, Indels

Macches 28, Conservative 0, Hismatches 1, Indels
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Patent No. US20020173449A1
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Olivera, Baldomero M.
Cartier, G. Edward
Wakkins, Marten
Hillyard, David
Millyard, David
Millyard, Town
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TYPE: PRT
ORGANISM: Conus striatus
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LOCATION: (1). (27)

THEN INFORMATION: Asa at residue 1 may be Tip or bromo-Trp; Kaa at residue 4 may be OPHER INFORMATION: P.O. of Information: Proc. information: P
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                                                                                                          APPLICANT: WEIKINS MAKEN
APPLICANT: HIllyard David R.
APPLICANT: Hillyard David R.
APPLICANT: Layer Richard T.
APPLICANT: Onnes, Robert M.
TITLE OF INVESTION - Osuperfamily Conotoxin Peptides
FILE REFERENCE: 2314-227
CURRENT FALLICATOR NUMBER: 10/90/149,637A
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PRIOR FILING DEER: 2000-0-27
PRIOR APPLICATION NUMBER: US60/219,440
PRIOR FILING DATE: 2000-07-20
PRIOR FILING DATE: 2000-07-20
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Patent No. US20020173449A1
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Olivera, Baldomero M.
Cartier, G. Edward
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                                                                                             JS-09-749-637A-271
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86.2%; Pred. No. 1.2e-11;
tive 0; Mismatches 4; Indels
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APPLICANT: Layer Richard F.
APPLICANT: JORGE Robert M.
TITLE OF INVESTION O-Superfemily Conctoxin Peptides
CURRENT PEDILOLION O-Superfemily Conctoxin Peptides
CURRENT PEDILOLION WHORE: US 05/214,412
PRIOR APPLICANTON WHORES: US 05/214,412
PRIOR APPLICANTON WHORES: US 05/214,412
PRIOR APPLICANTON WHORES: US 05/214,263
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Patent No. US20020173449Al
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Cognetix, Inc.
Cartier, G. Edward
Warkins, Maren
Hillyard, David R.
Howfresh, J. Michael
Layer, Robert M.
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SEQ ID NO 378
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SEQ ID NO 369
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; ORGANISM: Conus circumcisus
US-09-749-637A-378
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ORGANISM: Conus circumcisus
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Best Local Similarity 86.2%
Warches 25; Conservative
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US-09-749-637A-378
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APPLICANT:
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83.1%; Score 147; DB 10; Length 31; 79.3%; Pred. No. 2.7e-11;
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APPLICANT CATTER G. Edward
APPLICANT MACHINE Maren
APPLICANT HIJPARC, G. Edward
APPLICANT HIJPARC, DOW'R R.
APPLICANT HIJPARC, DOW'R R.
APPLICANT HIJPARC, J. Michael
APPLICANT MORENE TO RECEIVE THE SEPREMENT TO SHORT MICHAEL TO THE BEREAMORT TO THE SEPREMENT TO TH
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PRICE No. USSO020779449A.
GREENL INFORMATION:
APPLICATION: OF A PROPERTY OF THE RESEARCH FOUNDATION
APPLICATION: COMPLEXE NO.
University of Utah Research Foundation
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SEQ ID NO 345
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ORGANISM: Conus achatinus
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Best Local Similarity
                                                                        Cognetix,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LOCATION: (1) - (29)
| OTHER INFORMATION: As at residues may be Trp or bromo-Trp; kas at residue 6 may be OTHER INFORMATION: Pro or bydroxy-Pro; kas at residue 9 may be OTHER INFORMATION: Glu or gamma-carboxy US-09-745-6778-268
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Best Local Similarity 89.7%; Pred, No. 1.9e-11, 
Marches 26; Conservative 0; Mismarches 3; Indels
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APPLICANT Olivers, Baldomero M.
APPLICANT Olivers, Baldomero M.
APPLICANT WARTH WARTH APPLICANT WILLY APPLICANT WILLY APPLICANT WILLY APPLICANT WILLY APPLICANT WILLY APPLICANT WAS APPLICANT APPLICANT APPLICANT OF AP
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APPLICANT: University of Utah Research Foundation
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CURRENT APPLICATION NUMBER US/09/19.637A
CURRENT FILING DATE: 2000-12-87
PRIOR APPLICATION NUMBER: US 60/24.412
PRIOR APPLICATION NUMBER: US 60/24.412
PRIOR APPLICATION NUMBER: US 60/24.412
PRIOR APPLICATION NUMBER: US 60/21.4.60
PRIOR PRIOR PRICE THE US 60/21.4.60
PRIOR FILING DATE: 1999-12-30
NUMBER: OF SEQ 1D NUMBER: 1999-12-30
SOFTWARE: PRICE SEQ 1D NUMBER: 1999-12-30
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         PRIOR APPLICATION NUMBER: US 60/173,754
PRIOR FILING DATE: 1999-12-30
UNUMBER OF SEQ ID NOS: 409
SOFTWARE: PATENTIN VERSION 3.0
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Patent No. US20020173449A1
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                                                                                                                                                                                                                                           SEQ ID NO 268
LENGTH: 29
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Gaps ó

Indels

80.8%; Score 143; DB 10; Length 29;

Query Match

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                                                                                                                                                                                                                                                                                                                 0; Gaps
                                                                                                                                                                                                                                                                                76.8%; Score 136; DB 10; Length 31; 88.5%; Pred. No. 5.9e-10;
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                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: University of Utah Research Foundation APPLICANT: Cognetix, Inc.
                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 LRWCIPSGDLCFRSDHIGCCSGKCAFVCL 29
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PRICE APPLICATION WANDER: U66/219,440
PRICE PILLAR DATE: 2000-07-20,940
PRICE PRESS DATE: 2000-07-20,940
PRICE PILLAR DATE: 2000-06-26 (0/13,16)
PRICE PILLAR DATE: 2000-06-26 (0/13,17)
PRICE PILLAR DATE: 1999-12-30
WANDER PILLAR DATE: 1999-12-30
WANDER PILLAR DATE: 1999-12-30
SOFFWARE: PARENTIN VESSION 3.0
                                                                                                                                                                                                                                                                                                                                                4 CIPSGDLCFRSDHIGCCSGKCAFVCL 29
                                                                                                                                                                                                                                                                                                                                                                             6 CIPSGDLCFPSDHIQCCSAKCAFVCL 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , Sequence 366, Application US/09749637A ; Patent No. US20020173449Al
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 348, Application US/09749637A; Patent No. US20020173449A1
                                                                                                                                                                   SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                 ORGANISM: Conus circumcisus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20; Conservative
                                                                                                                                                                                                                                                                                                                 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Conus achatinus
                                                                                                                                                                                                                                                                                                  Sest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
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                                                                                                                                                                                  SEQ ID NO 372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
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                                                                                                                                                                                                                    TYPE: PRT
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                       0, Gaps
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       Best Local Similarity 79.3%; Pred. No. 7.8e-11;
Matches 23; Conservative 1; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT, WARLING, MARCH
APPLICANT, WILLYARG, David R.
APPLICANT: Worthosh, J. Michael
APPLICANT: Jayer, Filthard T.
APPLICANT: Jones Robert M.
TITLE OF INVENTION: O-Superfamily Conotoxin Peptides
TITLE OF INVENTION: O-Superfamily Conotoxin Peptides
                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: O-Superfamily Conotoxin Peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 372, Application US/09749637A
Patent No. US200211344431
APPLICANT: UNPOSEMYTON:
APPLICANT: UNPOSESTY OF Utah Research Foundation
APPLICANT: UNPOSESTY No.
                                                                                                                                                                                                                    APPLICANT: University of Utah Research Foundation
                                                                                                                                                                                                                                                                                                                                                                        1 LRWCIPRGDLCFPSDRIQCCSGRCTFVCM 29
                                                      1 LRWCIPSGDLCFRSDHIGCCSGKCAFVCL 29
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CURRENT APPLICATION NUMBER: US/09/749,637A
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                                                                                                                                                                Sequence 274, Application US/09749637A Patent No. US20022173449A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                 Cognetix, Inc.
Cognetix, Inc.
Colvera, Baldomero M.
Cartier, G. Edward
Markins, Maren
Hillyard, David R.
McIntosh, J. Michael
Jayer, Richard T.
Jones, Robert M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cognetix, Inc.
Olivera, Baldomero M.
Cartier, G. Edward
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Conus striatus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                         RESULT 12
US-09-749-637A-274
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APPLICANT:
APPLICANT;
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APPLICANT:
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APPLICANT:
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APPLICANT:
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| APPLICANT UNIVERMENT OF Utah Research Foundation |
| APPLICANT CONTEXT, | Division |
| APPLICANT CONTEXT, |
| APPLICANT CONTEXT, |
| APPLICANT CONTEXT, |
| APPLICANT CONTEXT, |
| APPLICANT WITHOUT CONTEXT |
| APPLICANT HILLYAID, DAVIA R. |
| APPLICANT HILLYAID, DAVIA R. |
| APPLICANT HILLYAID, DAVIA R. |
| APPLICANT STATE |
| APPLICANT STATE
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November 17, 2003, 17:11:18 ; Search time 23:1429 Seconds (without alignments) 212:986 Willion cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 XCIXSGDLCFRSDHIGCCSGKCAFVCL 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              666188 seqs, 182559486 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                             OM procein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-749-637A-271
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Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Database :
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                                                                                                                                                                                                                                                                                                                                                    Run on;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES		Tr. 04 00 011 01 40 0 041
SUMIN		110-00-
	g	5
	Query Match Length DB	 40
**	Query	00
	4	140
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	Query						
Score	-	datch Length DB	DB	ID.	Description	_	
149	98.0	27	2	US-09-749-637A-271	Sequence		App
148	97.4	29	10	US-09-749-637A-270	Seguence	270.	App
144	94.7	29	10	US-09-749-637A-267	Segnence	267.	App
142	93.4	29	10	US-09-749-637A-268	Seguence	268	App
141	92.8	27	70	US-09-749-637A-274	Segrence	274	App
140	92.1	29	10	US-09-749-637A-273	Seguence	273,	App
130	85.5	82	10	US-09-749-637A-393	Seguence	393,	App
129	84.9	56	10	US-09-749-637A-373	Seguence	373	App
129	84.9	27	10	US-09-749-637A-370	Seguence	370,	App
129	84.9	27	10	US-09-749-637A-379	Seguence	379,	ADD
127	83.6	31	10	US-09-749-6378-369	Segnence	369	App
127	83.6	31	10	US-09-749-637A-372	Seguence	372,	App
127	83.6	31	9	US-09-749-637A-378	Seguence	378.	App
126	82.9	56	10	US-09-749-637A-367	Sequence	367,	App
126	82.9	27	10	US-09-749-637A-385	Sequence	385,	App

F FRATURE: SITE

**NAME/KEY: SITE
**LOCATION: (1)...(27)

**OTHER INFORMATION: Xaa at residue 1 may be TUP or bromo-TUP, Xaa at residue 4 may

**OTHER INFORMATION: Pro or hydroxy-Pro

|SIG-00-149-637A-271

App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App	App
388,	366,	384,	387,	382,	376,	375,	381,	348,	394,	346,	345,	349,	276,	277,	286,	298,	252,	301,	306,	333,	297,	285,	307,	253,	255,	325,	259,	334,	400,
Seguence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Seguence	Sequence	Seguence	Sednence	Sequence	Seguence	Sequence	Sequence	Seguence	Sequence	Seguence	Seguence	Seguence	Segnence	Sednence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Seguence	Sednence
US-09-749-637A-388	-09-749-637A-3	39-749-	US-09-749-637A-387	2	US-09-749-637A-376	60	9-749-	US-09-749-637A-348	39-749-637A-39	-749-	19-749-	US-09-749-637A-349	39-749-637A-	US-09-749-637A-277	6	US-09-749-637A-298	19-749-637A-	9-749-637A-	US-09-749-637A-306	US-09-749-637A-333	19-749-	39-749-637A-	US-09-749-637A-307	8	39-749-637A-25	39-749-637A-32	US-09-749-637A-259	US-09-749-637A-334	US-09-749-637A-400
10	9			0.7			97	10				10	20									01	10				07	10	10
27	31	31	31	56	36	31	31	59	27	27	53	27	33	29	24	30	33	28	26	16	78	54	52	53	33	27	53	52	27
82.9	81,6	81.6	81.6	80.3	78.9	78.9	78.9	78.3	77.6	76.3	75.0	74.3	66.4	64.5	44.1	43.8	43.4	43.1	43.1	43.1		42.8	42.4	4		41.8		41.1	41.1
126	124	124	124	122	120	120	120	113	118	116	114	113	101	86	63	66.5	99	65.5	65.5	65.5	65.5	9	64.5	64	64				
3.6	17	18	13	20	21	22	23	24	25	56	27	28	29	30	31	32	33	34	38	36	37	38	39	40	41	24	43	44	45

ALIGNMENTS

SULT 1 -09-749-6378-271
Sequence 271, Application US/09749637A Patent No. US20020173449Al GENERAL INPORMATION:
University
APPLICANT: Cognetix, Inc.
Cartier.
Watkins,
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: O-Superfamily Conotoxin Peptides
FILE REFERENCE: 2314-227
CURRENT APPLICATION NUMBER: US/09/749,637A
CURRENT FILING DATE: 2000-12-28
PRIOR APPLICATION NUMBER: US 60/243,412
PRIOR FILING DATE: 2000-10-27
PRIOR APPLICATION NUMBER: US60/219,440
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US 60/214,263
PRIOR FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: US 60/173,754
PRIOR FILING DATE: 1999-12-30
NUMBER OF SEQ ID NOS: 409
SOFTWARE: Patentin version 3.0
SEQ ID NO 271
LENGTH: 27
TYPE: PRT
ORGANISM: Conus striatus

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DOMTONS (11..(29)
TOWIRE INFORMATION: Asa at residue3 may be Trp or bromo-Trp; Xaa at residue 6 may
OTHER INFORMATION: Cor hydroxy-Pro; Xaa at residue 9 may be Glu or gamma-carbo:
OTHER INFORMATION: Glu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ô
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        94.7%; Score 144; DB 10; Length 29; 92.3%; Pred. No. 4.4e-11; tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ch 93.4%; Score 142; DB 10; Length 29; IS Similarity 96.2%; Pred. No. 7.7e-11; 25; Conservative 0; Mismatches 1; Indels
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APPLICANT: Obviora, Baldomero M. APPLICANT: Cartier, G. Bebard
APPLICANT: Cartier, G. Bebard
APPLICANT: RAILINAGE
APPLICANT: HILINAGE
APPLICANT: HILINAGE
APPLICANT: ACTOROGY, MICHAEL
APPLICANT: ACTOROGY, MICHAEL
APPLICANT: ACADACT R.
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PRIOR APPLICATION NUMBER: USe0/219, 440
PRIOR PELLING DEEZ = 2000-07-20
PRIOR APPLICATION NUMBER: US 60/214,263
PRIOR FILING DIEZ: 2000-06-26
PRIOR PELLORION NUMBER: US 60/173,754
PRIOR FILING DATE: 1999-12-30
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SOFTWARE: Patentin version 3.0
SEQ ID NO 267
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Matches 24; Conservative
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, ORGANISM: Conus striatus
US-09-749-637A-267
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Matches 25; Conserva
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US-09-749-637A-268
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                                     Query March 98.0%; Score 149; DB 10; Length 27; Best Local Similarity 100.0%; Pred. No. 1e-11; Marches 26; Conservative 0; Misnatches 0; Indels
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APPLICANT: Oilver's Baldomen Mapping APPLICANT: Oilver's Baldomen Mapping APPLICANT: Oilver's Baldomen Mapping APPLICANT: Watchis Maren
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APPLICANT: LOYER, Richard T.
APPLICANT: LOYER, ROBERT MI.
APPLICANT: LOYER, ROBERT MI.
APPLICANT: LOYER MACHAEL
APPLICANT: JOHE MACHAEL
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APPLICANT MARRIER: 1960-179-140
PRIOR FILING DATE: 2000-06-26
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PRIOR FILING DATE: 2000-06-26
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PRIOR FILING DATE: 1999-12-30
WHOREN OF SECTION MARRIER: 1986-173-754
PRIOR PRICATION WASHER: 1986-173-754
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PRIOR PRICATION WASHER: 1986-173-754
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Patent No. US20020173449A1
GENERAL INFORMATION:
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; GENERAL INFORMATION;
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Matches 25, Conservative
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ORGANISM: Conus striatus
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CURRENT APLICATION HUMBER: US/09/749,617A
CURRENT PILING DATE: 2000-12-28
PROR APPLICATION MOMERS: US 60/243,412
PROR FILING DATE: 2000-10-27
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PRICE FILMO DATE: 2000.07.20
PRICE PELICON NUMBERS: 108 66/214,583
PRORE PILMO DATE: 2000.06.26
PRORE PELICON NUMBERS: 66/214,583
PRORE PELICON NUMBERS: 66/214,583
PRORES PELICON NUMBERS: 66/2173,794
PRORES OF SEQUENT NUMBERS: 66/2173,794
PRORESE OF SEQUENT NUMBERS: 67/2130
PRORES
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Patent No. US20020173449A1
GENERAL INFORMATION:
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Patent No. US20020173449A1
GENERAL INFORMATION:
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Olivera, Baldomero M.
Cartier, G. Edward
Watkins, Maren
Hillyard, David R.
McIncoh, J. McChael
Layer, Richard T.
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NUMBER OF SEQ ID NOS: 409
SOFTWARE: PatentIn version 3.0
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                                                                                                                                                    SEQ ID NO 273
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THER INFORMATION: Kaa at residuel may be Trp or bromo-Trp; Kaa at residue 4 may be OTHER INFORMATION: PROOF OF PROPERT INFORMATION: 
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                                                                                                                                                                                                                                                                    Applicant University of Utah Research Foundation Applicant Cognetis, inc.
APPLICANT COGNETS, inc.
APPLICANT COGNETS, and Edward APPLICANT COLIVER, Baldomero M. APPLICANT COLIVER, Baldomero M. APPLICANT Narbital Maren APPLICANT Narbital Maren APPLICANT: Northcosh, U. McGheel APPLICANT: Northcosh, U. McGheel M. APPLICANT: Conse, Robert M.
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US-09-749-637A-274
; Sequence 2.74, Application US/09749637A
; Patent No. US20020173449Al
; GENERAL INPORMATION:
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i LCCCTION; (1): ...(2023 at residue 1 may be Trp or bromo-Trp; Xee at residues 4 as CTPRE INFORMATION: 1 may be Pro or hydroxy-Pro USF NEORATION: 1 may be Pro or hydroxy-Pro
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                              Query Match 84.9%, Score 129, DB.10; Length 27, Best Local Similarity 86.5%, Pred, No. 2.8e-09. Marches 23; Conservative 6, Wismarches 3; Indels Marches 23; Conservative 6, Wismarches 3; Lindels
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88.5%; Pred. No. 2.8e-69;
Arive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MARKELOMPH CANAGESILY OF Utah Research Foundation APPLICANT: Cognetial Inc.
APPLICANT: Cognetial Inc.
APPLICANT: Cartier G. Edomet M. APPLICANT: WITHING M. Dankins, Cartier M. APPLICANT: Jones, Robert M. APPLICANT: Once, Superjamily Comp. (21)
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APPLICANT CONTROL M.
APPLICANT COLVERS, BAldonsco M.
APPLICANT COLVERS, BAldonsco M.
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CORREST ALLEGEMENT 2000.12-28
PRIOR PELLING DATE: 2000-10-27
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PRIOR PELLING DATE: 3000-10-20
PRIOR PELLING DATE: 3099-12-30
WANNER: PRIOR TANKE CARE: 3999-12-30
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Best Local Similarity 88.55
Matches 23, Conservative
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US-09-749-637A-379
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1 GOODS: (1)-(127)
2 GOODS: (1)-(127)
3 GOODS: (1)-(127)
4 GOODS: (2)-(127)
5 GOODS: (2)-(127)
6 GOODS: (2)-(127)
6 GOODS: (2)-(127)
7 GOODS: (2)-(127)
7 GOODS: (2)-(127)
8 GOODS: (2)-(127
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APPLICABLY CONSTRUCTION OF SUperiorally Conoctain Peptides TITLE OF INTERITOR: O Superiorally Conoctain Peptides TITLE OF INTERITOR: O Superiorally Conoctain Peptides CHERRY APPLICATION NUMBER: US/O/243,412 PRIOR FILLING DATE: 2000-10-27 C00243,412 PRIOR FILLING DATE: 2000-10-27 C00243,412 PRIOR FILLING DATE: 2000-10-27 C00243,412 PRIOR PEDIGES TO STREET 2000-07-20 C0242,412 PRIOR PRIOR DATE: 2000-07-20 C0242,224 PRIOR FILLING DATE: 1993-12-20 PRIOR FILLING DAT
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Score 127; DB 10; Length 31;
Pred. No. 5.5e-09;
0; Mismatches 4; Indels
                                                                                                               CARREAL INTEGRATION TO THE SECOND STATE OF THE
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SMERAL INFORMATION
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Best Local Similarity 84.6%;
Matches 22; Conservative
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ORGANISM: Conus circumcisus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Conus circumcisus
FEATURE:
                                                                          US20020173449A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-749-637A-378
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84.6%; Pred, No. 5.5e-09;
tive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Query Match
11; Daily Length 31;
Best Local Similarity 94.64; Pred. No. 5.5e-09;
Matches 22; Conservative 0; Mismatches 4; Indels
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APPLICANT: University of Utah Research Foundation
CHRENEW PARICACION WRRER. 10409/149,631A
CURRERY FILING DATE: 2060-12-28
PRICA PALICATION WRSEN. 2060-140,412
PRICA PALICATION WRSEN. 10860/219,440
PRICA PALICATION WRSEN. 10860/219,440
PRICA PLICATION WRSEN. 10860/114,263
PRICA PLICATION WRSEN. 108 60/214,263
PRICA PLICATION WRSEN. 108 60/214,263
PRICA PLICATION WRSEN. 108 60/214,263
PRICA PLICATION WRSEN. 108-12-30
NUMBER OF SEQ. 109-12-30
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Patent No. US20020173449Al
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US-09-749-637A-378
; Sequence 378, Application US/09749637A
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ORGANISM: Conus circumcisus
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Best Local Similarity 84.64
Matches 22, Conservative
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US-09-749-637A-372
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-749-637A-369
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0, Gaps

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| LOCATION: [1] (27)
| OTHER INFORMATION: Xea at residue 1 may be Trp or bromo-Trp; Xea at residues 4 and US-09-14-6371-385
                                                                                                                                                                                                                                                                                                                                           ö
) NAME/KEY, SITE

1. CONTRON (1)...(26)

9. OTHER TAXASATON: Xas at residues 3 and 10 may be Pro or hydroxy-Pro.

105-09-749-627M-367
                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                    Unlery Match
Boset Local Similarity 84.6%; Pred. No. 6.3e-06.
Matches 22; Conservative 1, Mismatches 3; Indels
Matches 22; Conservative 1, Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Onery Match 82.9%; Score 126; DB 10; Length 27; Best Local Similarity 84.6%; Préd. No. 6.5e.9% Matches 3; Indels Matches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 385. Application US/09/49637A
Sequence 385. Application US/09/49637A
CREENIN UNIVERSITY OF 144AL
APPLICANT: OGNERIA, Inc.
APPLICANT: OGNERIA, Inc.
APPLICANT: OGNERIA, Inc.
APPLICANT: CALCER, INC.
APPLICANT: CALCER
                                                                                                                                                                                                                                                                                                                                                                                                                    2 CIXSGDLCFRSDHIGCCSGKCAFVCL 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 CIXSGDLCFXSDHIQCCNAKCAFVCL 26
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ORGANISM: Conus circumcisus
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NAME/KEY: SITE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 15
US-09-749-637A-385
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0; Gaps

Search completed: November 17, 2003, 17:19:22 Job time : 23.1429 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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OM protein - protein search, using sw model

November 17, 2003, 17:11:13 ; Search time 13.9821 Seconds Run on:

(without alignments) 81.704 Million cell updates/sec

US-09-749-637A-271 Perfect score:

1 XCIXSGDLCFRSDHIGCCSGKCAFVCL 27 Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

Total number of hits satisfying chosen parameters:

328717 segs, 42310858 residues

Searched:

Minimum DB seg length: 0 Maximum DB seg length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

Issued Patents A. M. Jaa/Sa. COMB. psp.*
(cgm2.6/pcodata///iaa/Sa. COMB. psp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the cotal score distribution.

SUMMARIES

Result No.	Score	Query	Query Match Length DB	28	ID	Description
	61	40.1	37	-	US-08-682-485A-4	Sequence 4, Appli
7	61	40.1	37	7	US-08-933-314-4	4
٣	50.5	33.2	36	~	US-08-505-486-86	86
4	50.5	33.2	36	m	US-08-801-028-86	86,
S	50.5	33.2	36	n	US-09-340-154-86	98
ø	50.5	33.2	36	4	US-09-482-6118-86	86,
7	50.5	33.2	36	s	PCT-US95-09338-86	88
8	50.5	33.2	36	S	PCT-US95-09339-86	
6	20	32.9	27	7	US-07-689-693B-6	ý
10	20	32.9	37	~	US-08-682-485A-8	œ
11	20	32.9	37	N	US-08-933-314-8	8
12	20	32.9	78	-	US-07-689-6938-5	'n
13	50	32.9	78	Н	US-08-624-123-13	Sequence 13, Appl
14	20	32.9	78	0	US-08-716-308-2	'n
15	20	32.9	78	n	US-08-716-308-16	36,
16	98	32.9	78	ഗ	PCT-US96-05262-14	14,
. 13	49.5	32.6	36	٦	US-08-117-080-2	'n
18	49.5	32.6	36	-	US-08-117-080-4	4
19	49.5	32.6	36	г	US-08-471-329-2	2,
20	49.5	32.6	36	-	US-08-471-329-4	4
21	49.5	32.6	36	C2	US-08-915-142-2	Sequence 2, Appli
22	49.5	32.6	36	~	US-08-915-142-4	4
23	49.5	32.6	36	~	US-08-505-486-85	82
24	49.5	32.6	36	m	US-08-801-028-85	85
25	49.5	32.6	36	m	US-09-340-154-85	85,
26	49.5	32,6	36	4	US-09-482-611B-85	
27	49.5	32.6	36	ß	PCT-US95-09338-85	82

MOLECULE TYPE: protein

28 49.5 32.6 36 PCT-U8S5-09339-85 Sequence 1. 29 49.5 32.6 37 10.80-117-080-1 Sequence 1. 31 49.5 22.6 37 10.80-8117-080-1 Sequence 1. 34 49.5 22.6 37 10.80-8117-39-1 Sequence 1. 34 49.5 22.6 37 10.80-817-32-1 Sequence 1. 36 49.5 22.6 37 10.80-817-32-1 Sequence 1. 36 49.5 22.6 37 10.80-817-32-1 Sequence 1. 37 49.5 22.6 37 10.80-817-48-4 Sequence 1. 38 49.5 22.6 47 49.80-49-48-4 Sequence 1. 40 49.5 22.6 61 10.80-49-48-4 Sequence 1. 41 49.5 22.6 61 10.80-49-48-4 Sequence 1. 42 49.5 22.6 61 10.80-49-48-4 Sequence 1. 49.5 22.6 61	Appl	Appli	Appli	Appli	Appli	Appli	Appli	Appl	Appl	Appl	Appl	Appl	Appl	Appl	Appl	Appl	App1	Appl
49.5 32.6 36 5 PCT-U895-09319-85 49.5 32.6 37 1 U85-08-117-080-1 49.5 32.6 37 2 U85-08-118-1 49.5 32.6 6 37 2 U85-08-118-4 49.5 32.6 6 11 U85-08-117-08-1 49.5 32.6 6 11 U85-08-117-08-1 49.5 32.6 6 11 U85-08-117-08-1 49.5 32.6 6 11 U85-08-17-08-1 49.5 32.6 6 11 U85-08-17-12-10-1 49.5 32.6 6 11 U85-08-17-12-10-1	85,	ri	'n,	÷	'n	ä	3,	84,	84,	84,	84,	84,	84,	10,	10,	10,	12,	12,
8 8 9 0 0 1 2 2 1 2 1 1 0 0 8 8 8 9 0 0 1 1 2 1 1 1 0 0 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
8 0 C L L U W & N N C C 8 0 C - L S W & N U W & N U W & N U W & W & W & W & W & W & W & W & W & W	PCT-US95-09339-85	US-08-117-080-1	US-08-117-080-3	18-471-329	US-08-471-329-3	US-08-915-142-1	US-08-915-142-3	US-08-505-486-84	US-08-801-028-84	US-09-340-154-84	US-09-482-611B-84	PCT-US95-09338-84	PCT-US95-09339-84	US-08-117-080-10	US-08-471-329-10	US-08-915-142-10	US-08-117-080-12	US-08-471-329-12
8 0 C L L U W & N N C C 8 0 C - L S W & N U W & N U W & N U W & W & W & W & W & W & W & W & W & W	S	٦	н	•	-	ď	N	n	r	m	4	s	ß	М	-	~	~	н
8 0 C L L U W & N N C C 8 0 C - L S W & N U W & N U W & N U W & W & W & W & W & W & W & W & W & W	36	37	37	37	37	37	37	37	37	37	37	37	37	61	61	61	63	63
& Q C I G W & N O C & Q O C I G W & N	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
	28	53	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

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MEDIUM TPEL BYORY disk
COMPUTER: IBM PC compatible
COMPANING STREM: PC-DOK/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
APPLACATION NUMBER: US/08/682,485A
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3R: PPD 5099/D1
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APPLIANCE APPLIANCE
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FILING DATE: 29-JAN-1993
APPLICATION NUMBER: AU PL0722
FILING DATE: 31-JAN-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                     Sequence 4, Application US/08682485A Patent No. 5763568 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: Zeneca, Inc.
1200 South 47th Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Shaw, Melissa A. REGISCRATION NUMBER: 38,301
REFERENCE/DOCKET NUMBER: PER FERENCE/DOCKET NUMBER: PER TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    510-231-1542
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TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Richmond
California
RY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: UK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
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                                                                  US-08-682-485A-4
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RESULT 1
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11; Conservative
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Best Local Similarity
Matches 11; Conserva
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                                                                                                                                                  /label= a /note= "this site may be amidated without loss of biological activity"
                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                              3
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                                                                                                                                                                                                                                                          Ouery Match

40.1%; Score 61; DB 1; Length 37;
Best Local Similarity 47.8%; Pred. No. 1.2,
Matches 11; Conservative 3; Mismatches 7; Indels
Matches 11; Conservative 4; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WEDUTER READLE FORM:
MEDIUM TYPE. Floppy disk
COMPUTER: INH GOOPPy disk
OPERATING SYSTEM: FC-2006/MS-DOS
SOFTWARS: Parentli Release #1.0, Version #1.25
ROTHWARS: Parentli Release #1.0, Version #1.25
APPLICATION DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION WINDS: 29-XN-1993
APPLICATION WINDSEN AU PLO722
FILING DATE: 31-3N-1992
ATTOMEN VIASART TREMENTION:
NAME: Shaw, Wellissa A,
RESISTRATION WINDSEN: 89, 301
REFERENCE/DOCKET WINDSEN: PDD 5099/PJ1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/682,485
FILING DATE: 17-JULY-1996
APPLICATION NUMBER: US/08/256,933
                                                                                                                                                                                                                                                                                                                                                        2 CIXSGDLCFRSDHIGCCSGKCAF 24
                                                                                                                                                                                                                                                                                                                                                                                4 CIPSGQPCPYNEH--CCSGSCTY 24
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APPLICATION NUMBER: WO 93/15108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Zeneca, Inc.
1200 South 47th Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-933-314-4
; Sequence 4, Application US/08933314
; Patent No. 5959182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: $10-231-1542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: $10-231-1112
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
                    ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Atrax robustus
                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
NOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 424
                                                                                                                                                  OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
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USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94804
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                                                                                                           NAME/KEY:
                                                                                                                                                                                                                       US-08-682-485A-4
                                                                                                                                    LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE:
                                                                                      FEATURE:
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APPLICANTON TON.
APPLICANT Asses M. Jannes
TITLE OF INVENTON: UBIQUIN-LYTIC PEPTIDE FUSION GENE
TITLE OF INVENTION: COMPARENCES, PROTEIN PRODUCTS DERIVING THEREFROM, AND
TITLE OF INVENTION: WETHOOS OF WAKING AND USING SAME
                                                                                   icontrox: 37

OTHER INFORMATION: /label= a
OTHER INFORMATION: /hore= "this site may be amidated without loss
OTHER INFORMATION: of biological activity"
195-03-314-4
                                                                                                                                                                                                                                                                        Gaps
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45.8%; Pred. No. 17;
tive 1; Mismatches 7; Indels
                                                                                                                                                                                                                         Query Match
40.1%; Score 61; DB 2; Length 37;
Best Local Smilarity 47.8%; Pred. No. 1.2;
Matches 11; Conservative 3; Mismatches 7; Indels
Matches 11; Conservative 3; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.4 MB STORAGE COMPUTER: IBM COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRAGMENT TYPE: COMPLETE PEFTIDE
ORIGINAL SOURCE: SYNTHETIC
IMMEDIATE SOURCE: SYNTHETIC
PUBLICATION INFORMATION: NOT PREVIOUSLY FUBLISHED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 98
CORRESPONDENCE ANDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 21-JUL-1995
CLASSIPICATION: 536
PRIOR APPLICATION DATA:
APPLICATION MONRER: U.S. 08/279.472
CLASSIFICATION: 52-JUL-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: WALKER, BARBARA W
REDGITRATION WUMBER: 35,400
REPERINCE/DOCKET NUMBER: 2093-117A
TELECOMMUNICATION INFORMATION:
TELEFORM: (202)/93-6040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           555 Thirteenth Street N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: 15-05
APPLICATION NUMBER: US/08/505,486
FILING DATE: 12-001-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                       2 CIXSGDLCFRSDHIGCCSGKCAF 24
                                                                                                                                                                                                                                                                                                                                                4 CIPSGQPCPYNEH--CCSGSCTY 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 86, Application US/08505486
Patent No. 5955573
   ORGANISM: Atrax robustus
                                                                 NAME/KEY: Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (202/ )...
-- " " " " (202) 783-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Washington
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LINEAR
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: D. C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DESCRIPTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20004
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                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 3
US-08-505-486-86
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET:
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2 CIXSGDLCFRSDHIG---CCSGKC 22

1 CIGGGGKC--ODOLGPPFCCSGYC 22

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APPLICANT: Garbarino, John APPLICANT: Relhange William Friedrich Froducts FTILE OF UNEWRITON: Uniquitin-Lytic Peptide Pusion Gene Constructs, Protein Products FTILE OF UNEWRITON: Therefrom, and Wethods of Waking and Using Same
                                                                                                                                                                                                             APPLICANT, JOSSEN JANDAL LYTIC PEPTIDE FUSION GENE TITLE OF INVENTION: UBIGGITIN-LYTIC PEPTIDE FUSION GENE TITLE OF INVENTION: ORGANICATES, PROFIED PEDGUCES DERLYING THEREPROM, AND TITLE OF INVENTIONS: METHODS OF MAKING AND USING SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Neary March 33.24; Score 50.5; DB 3; Length 36; sets Local Smilarity 45.84; Fred. No. 17; Total stoches 11; Conservative 1; Mismacches 7; Indels fatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2: DISKETTE, 3.5 INCH, 1.4 MB STORAGE IBM COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORIGINAL SOURCE: SYNTHETIC
IMMEDIATE SOURCE: SYNTHETIC
BURDLICATION INPORMATION: NOT PREVIOUSLY PUBLISHED
                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 Thirteenth Street N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PILLAG UANG.
CLASSIFICATION BATA;
PRIOR PRICATION BATA;
PRIOR PRICATION BATA;
PRICATION NUMBER: 08/505,486
FILLAG BATE: 1-14UL-1955
APPLICATION NUMBER: U.S. 08/279,472
ATTORNEY AGRET INFORMATION:
NAME: MALKER BARBARA W.
REGISTRATION NUMBER: 35,400
""""""""
REGISTRATION NUMBER: 35,400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 CIXSGDLCFRSDHIG---CCSGKC 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/09/340,154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 86, Application US/09482611B; Patent No. 6448391; GENERAL INFORMATION:
                                                                                                      Sequence 86, Application US/09340154
Patent No. 6084156
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPLETS PEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: WordPerfect 5.1+
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (202)783-6040
TELEFRAX: (202)783-6031
INFORMATION FOR SEQ ID NO: 86
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PEPTIDE
                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 36
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE:
DESCRIPTION: PEPTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OPERATING SYSTEM:
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       D. C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE:
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                                  RESULT 5
US-09-340-154-86
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                        ***PELICANT: JOSN GARBARINO
APPLICANT: JESSE N. JAYNES
APPLICANT: JESSE N. JAYNES
APPLICANT: MILLIAM BELKNAP
TITLE OF INVENTION: MELGINITIN-LIVIC PEPTIDE FUSION GENE CONSTRUCTS, PROFEIN PRODUC GARBESSORES: 98
CONSESSORECE ADDRESS: 98
ADDRESSER: STRANG J. HULTOJIST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WOUTURE REACHE FORM:
WEDLIM TYPE: DISKETTE, 3.5 INCH, 1.4 MB STORAGE
COMPITER: 1.5 MPCE MACITYOSA
OPERATING SYSTEM: MACINTOSH
OPERATING SYSTEM: MACINTOSH
CONTARREN: A.S. WORD. 5. O
CURRENY: APPLICATION NORMER: USB(s) (901,028
FLIANG ORIE: 1.3-FRE-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSES: STYREN J. HUT/OUISE
ADDRESSES: NYBELLECHULA PROPERTY/TECHNOLOGY LAW
STREET: 200 PARK DRIVE, SUITE 2.0
STREET: P.O. BOX 14339
CITY: RESERRICH TRIANGLE PARK
STATE: WORTH CAROLINA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PUBLICATION INFORMATION: NOT PREVIOUSLY PUBLISHED
1 CIGQGGKC--QDQLGPPFCCSGVC 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:

PRIOR APPLICATION NUMBER: 06/29,472

APPLICATION NUMBER: 06/29,472

APPLICATION NUMBER: 06/29,472

APPLICATION NUMBER: 06/20,476

APPLICATION NUMBER: 06/20,476

APPLICATION NUMBER: 06/40/20,620

APPLICATION NUMBER: 06/40/20

APPLICATION NUMBER: 06/40/
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                                                                                                                                                                                            Sequence 86, Application US/08801028
Patent No. 6018102
GENERAL INFORMATION:
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TELECOMMUNICATION INFORMATION:
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ORIGINAL SOURCE: SYNTHETIC
IMMEDIATE SOURCE: SYNTHETIC
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TELEFAX: (919)990-9532
INPERATION FOR SEQ ID NO: 86
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PEPTIDE
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TOPOLOGY: LINEAR
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DESCRIPTION:
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                                                                                                                                                                     US-08-801-028-86
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CONSTRUCTS, PROTEIN PRODUCTS DERIVING THEREFROM, AND METHODS OF MAKING AND USING THE SAME
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 33.2%; Score 50.5; DB 5; Length 36; Best Local Similarity 45.8%; Pred. No. 17; America 11; Conservative 1; Mismatches 7; Indels Matches
                                                                                  UBIQUITIN-LYTIC PEPTIDE FUSION GENE
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APPLICAT: Baldeaco M. Olivera
APPLICAT: Baldeaco M. Olivera
TITLE OF INVENTION: Segregated Folding Determinants
TITLE OF INVENTION: For Small Disulfide-Rich Peptides
NUMBER OF SEQUENCES: 25
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COMPUTER READABLE FORM:
WEDIUM TIPE: Diskette, 3.5 inch, 720 Kb storage
COMPUTER: COMPUTE: COMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; IMMEDIATE SOURCE: SYNTHETIC
; PUBLICATION INFORMATION: NOT PREVIOUSLY PUBLISHED
PCT-085-09339-08
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ADDRESSEE: Thorpe, No. 5231011th & Western STREET: 9035 South 700 East, Suite 200
                                                                 TITLE OF INVENTION: USUCITAL-INTO PROPERTY OF THE OF INVENTION: CONSTRUCTS PROTEIN THE OF INVENTION: CONSTRUCTS PROTEIN THE OF INVENTION: METHOD OF MAKING AN WORTHER TREE: PLOUDY disk CONSTRUCTS STORY OF THE PT CONSTRUCTS.

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PRILOR APPLICATION DATE: 12-701-194

PRILOR APPLICATION DATE: 21-701-194

PRILOR APPLICATION DATE: 21-701-194

FILING DATE: 22-701-194

NORMATION FOR SEC IN FO
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Patent No. 5231011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPLETE PEPTIDE
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CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: none
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ATTORNEY/AGENT INFORMATION:
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REGISTRATION NUMBER: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
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MOLECULE TYPE:
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ORIGINAL SOURCE:
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                APPLICANT
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TITLE OF INVENTION: UBIQUITIN-LYTIC PREFIDE FUSION GENE
TITLE OF INVENTION: CONSTRUCTS, PROPERLY PRODUCTS DERIVING THEREFROM, AND
TITLE OF INVENTION: WETHOUS OF MAKING AND USING THE SAME
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk,
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33.2%; Score 50.5; DB 5; Length 36; Best Local Similarity 45.8%; Pred. No. 17;
Matches 11; Conservative 1; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 33.2%; Score 50.5; DB 4; Length 36; Bert Local Similarity 45.8%; Pred. No. 17; Meet Sert 11; Conservative 1; Mismatches 7; Indels
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ORACINAL SOURCE: SYNTHETIC
THMEDIATE SOURCE: SYNTHETIC
FUBLICATION INFORMATION: NOT PREVIOUSLY PUBLISHED
FILE REPERENCE: 1003-149
CURRENT APPLICATION WOMER. US/09/482,611B
CURRENT FILING DATE: 2000-01-144
PRIOR APPLICATION WOMER. US 08/801,028
PRIOR FELING DATE: 1997-02-19
PRIOR FELING DATE: 1997-02-19
REGOR APPLICATION WOMER. US 08/279,472
NUMBER OF SEQ 1D NOS; 102
SOGTWARE PREMITIN PARE:
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APPLICATION MORBER: POPUL-1994
FILING DATE: 21-001-1994
FILING APPLICATION DATA.
PRILICH DATE: 22-001-1994
FILING MATERIAL SACRETION DATA.
FILING MATERIAL 1994
INFORMATION FOR SEQ. 100 NO. 66:
SEGONGAC CHRACTER/STICS:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1+
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTHER INFORMATION: Lytic Peptide US-09-482-611B-86
                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
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DESCRIPTION:
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OTHER INFORMATION: /label= a OTHER INFORMATION: /label= a OTHER INFORMATION: /note= "this site may be amidated without loss US-08-682-468A-6
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AND THE AND THE STATE OF THE STATE 
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19;
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PLOS APPLICATION MANNERS: US/08/682,485
PLING DATE: 17-UUV-1996
APPLICATION MOMERS: US/08/08/26,933
APPLICATION MOMERS: US/08/08/26,933
PLING DATE: 37-UUV-1994
PLING DATE: 37-UUV-1994
PLING DATE: 37-UUV-1994
APPLICATION MOMERS: US/08/14108
APPLICATION MOMERS: US/08/14108
APPLICATION MOMERS: US/08/14108
APPLICATION MOMERS: US/08/14108
NAME: SIAPA, WORDHATTON
NAME: SIAPA, WALLSEN A.
REGISTRATION WORDER: 38,301
REGERENCH/CORET WORDER: 38,301
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Best Local Similarity 43.5%; Pred. No.
Matches 10; Conservative 3; Mismatcl
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APPLICATION NUMBER: US/08/933,314
FILING DATE:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Patent No. 5959182
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LOCATION: 37
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amino acid
OGY: linear
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MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                    ANTI-SENSE: NO
ORIGINAL SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           94804
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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APPLICANT: HOWER, WEBLIN E H
APPLICANT: HOWER, MARKET 1
APPLICANT: VONHRX, EDWARD J
APPLICANT: VONHRX, EDWARD J
TITLE OF INVENTION: Insecticidal Toxins Derived From
TITLE OF INVENTION: Funnel Web (Africa or Hadronyche Spidere)
CORRESPONDENCE: 26
CORRESPONDENCE: 26
                                                                                                                                                                                                                                                                                                                                                                                                                   NAWE/KEY: King Kong (kk0) concroxin
: IDENTIFICATION METHOD: Direct peptide sequencing
US-07-68-6938-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
32.9%; Score 50, DB 1; Length 27;
Best Local Similarity 42.3%; Pred. No. 15;
Matches 11; Conservative 2; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
BEDIUM TYPE: RADAPA disk
COMPUTER: IMP OF COMPATIES. JEW FO COMPATIES. JEW FO COMPATIES. JEW FO COMPATIES. SOFFER: DECOMPATIES. SOFFER: DECOMPATIES. DECOMPATIES. DECOMPATION RELEASE #1.0, Version #1.25
APPLICATION NOWERS: US/08/682,485A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 CKQSGEMCNLLDQ-NCCDGYCIVLVC 26
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: 1200 South 47th Street
Richmond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 8, Application US/08682485A
Patent No. 5763568
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TELEPHONE: 510-231-1542
TELECOMMUNICATION INFORMATION
                                           TELEPHONE: (801) 566-6633
TELEFAX: (801) 566-0750
INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: $10-231-1112
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 27 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  37 amino acids
                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JOURNAL 37 amino LENGTH: 37 amino acid
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11; Indels
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CONCESSIONEMES ADDRESS: 13

CONSERVONEMES ADDRESSES: Vanable, Baerjer, Howard & Civiletti STREET: LOJN New York Avenue N.W. of Civiletti CITY: Mesalington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
Best Local Similarity 42.3%; Pred. No. 35;
Matches 11; Conservative 2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 13. Application US/08624123
Retent No. 573276 S. Market No. 6 S. Mark
                                                                                                                                        2 CIXSGDLCFRSDHIGCCSGKC-AFVC 26
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                                                                                                                                                                                                                         53 CKQSGEMCNLLDQ-NCCDGYCIVLVC 77
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/624,123
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REGISTRATION NUMBER: 28,957
RESTRANCENOWORST NUMBER: 2426.
TELECOMMUNICATION INFORMATION:
TELERHONE: 202-962-4810
TELERAX: 202-962-8300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE:
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08
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ATTORNEY/AGENT INFORMATION:
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STRANDEDNESS: single
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
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es 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20005
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                                                                                                                                                                                                                                                                                                                                                                                      US-08-624-123-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Library was constructed using polya bected might from Conus textile venom duct tissue and cloned into the Okyama-Berg oligo-dr primed plasmid
                                                                                                                                                                                                                                                    /label= a /note= "this site may be amidated without loss of biological activity"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 32.9%; Score 50; DB 1; Length 78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              32.9%; Score 50; DB 2; Length 37; 43.5%; Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
WEDIUM TYPE: DSABette, 3.5 inch, 720 Kb storage
COMPUTER: Compad LTE/286
OPERATING SYSTEM: DOS 4.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: Prepropeptide sequence for four loop
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATIVE VERYEN DOS 4 0.01
SOFTAARE. WOO'D FEETER 5.1
CURRENT APPLICATION DATA:
FILING DATE: 1991044 1.05/04.693.
FILING DATE: 1991044 1.05/04.693.
FILING DATE: APPLICATION NAME TO APPL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 CIXSGDLCFRSDHIGCCSGKCAP 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 CIRSCOPCPYNEN - CCSOSCIF 24
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ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Atrax formidabilis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Western, M. Wayne
REGISTRATION NUMBER: 22,788
REFERENCE/DOCKET NUMBER: 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: (801) 566-6633
TELEFAX: (801) 566-0750
INFORMATION FOR SEQ ID NO: 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: na
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                          NAME/KEY: Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 32.9%
Best Local Similarity 43.5%
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IDENTIFICATION METHOD:
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IDENTIFICATION METHOD:
IDENTIFICATION METHOD:
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MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                    OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Utah
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Gaps
32.9%; Score 50; DB 1; Length 78; illarity 42.3%; Pred. No. 35; Conservative 2; Mismatches 11; Indels
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APPLICANT: Windses, John D.
APPLICANT
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Patent No. 5885560
Patent No. 5885560
Patent No. 5885560
Patent No. 5885560
TILL OF INVENTION: Biological Insect Control Agent WIMERS OF SEQUENCES: 18
COMMESSEE ZERECA Inc.
ADMESSEE ZERECA Inc.
FYREE: 1800 Concord pike
CITY: Wilmington
STATE: DE
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WHITHEN TENDED FORM;
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SUFFWARE: PERCENTIA Release #1.0, Version #1.25
SUFFWARE: PERCENTIA Release #1.0, Version #1.25
CLASS FORTION TO MAIN THE PROPERTY APPLICATION DATA
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COMPUTER READABLE FORM:
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FILING BARE: 24-826-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB95/00677
FILING DATE: 27-WARG-1995
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESSS:
ADDRESSEE: ZENGCA Inc.,
STREET: 1800 Concord Pike
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LENGTH: 78 maino acids
TYPE: amino acid
TYPE: Amino acid
TYPE: Amino acid
MOLECULE TYPE: peptide
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Best Local Similarity 42.3*
Matches 11; Conservative
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US-08-716-308-16
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PRIOR APPLICATION WINBERN: GB 946591.6

FPLING ANTER: 23-WAR.1994

ATTOREN'AGENT INFORMATION:
MANNE: HOADERS 12-WAR.1994

ANTERING AND ANTER: 24-WAR.1994

ANTERING ANTER: 24-WAR.1994

ANTERING ANTER: 24-WAR.1994

INFORMATION WINBERN: 41-MAN.1994

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INFORMATION ANTER: 24-M
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